Defense Acquisition University

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DoD Best Practices Clearinghouse Overview

November 2007

DoD Best Practices Clearinghouse (BPCh)

Defense Acquisition University

Useful Information

Help finding, selecting, and implementing practices appropriate to User's situation; fill the gap between "what" and "how"

A Single Source

For answers about practices, how to apply them, when they are good to use; lessons learned; and risks to avoid

Active Knowledge Base

Not just another practice list; experience data updated, expanded refined; encourages organic growth

Living Knowledge

Integration with DoD communities of practice (ACC) and experts

Validated practices

Consistent, verifiable

Introducing BPCh Alpha v1.1

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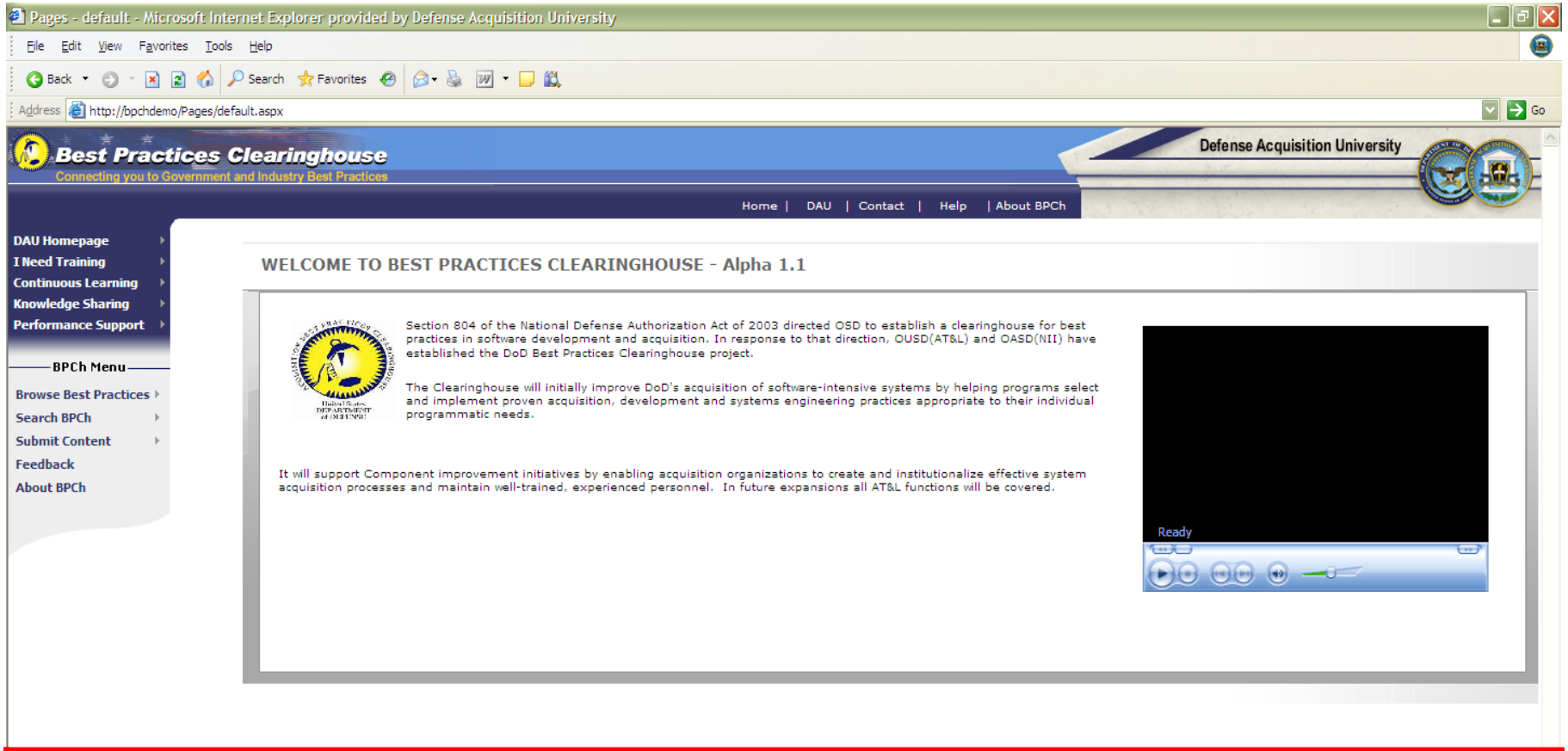
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WELCOME TO BEST PRACTICES CLEARINGHOUSE - Alpha 1.1
Section 804 of the National Defense Authorization Act of 2003 directed OSD to establish a clearinghouse for best practices in software development and acquisition. In response to that direction, OUSD(AT&L) and OASD(NII) have established the DoD Best Practices Clearinghouse project.
The Clearinghouse will initially improve DoD's acquisition of software-intensive systems by helping programs select and implement proven acquisition, development and systems engineering practices appropriate to their individual programmatic needs.
It will support Component improvement initiatives by enabling acquisition organizations to create and institutionalize effective system acquisition processes and maintain well-trained, experienced personnel. In future expansions all AT&L functions will be covered.
Ready

Being developed by DAU, CSC and Fraunhofer Center of UMd in partnership w/ the Services, DoD Agencies, Federal Government, and DoD Industry

Browsing BPCh by "Perspective"

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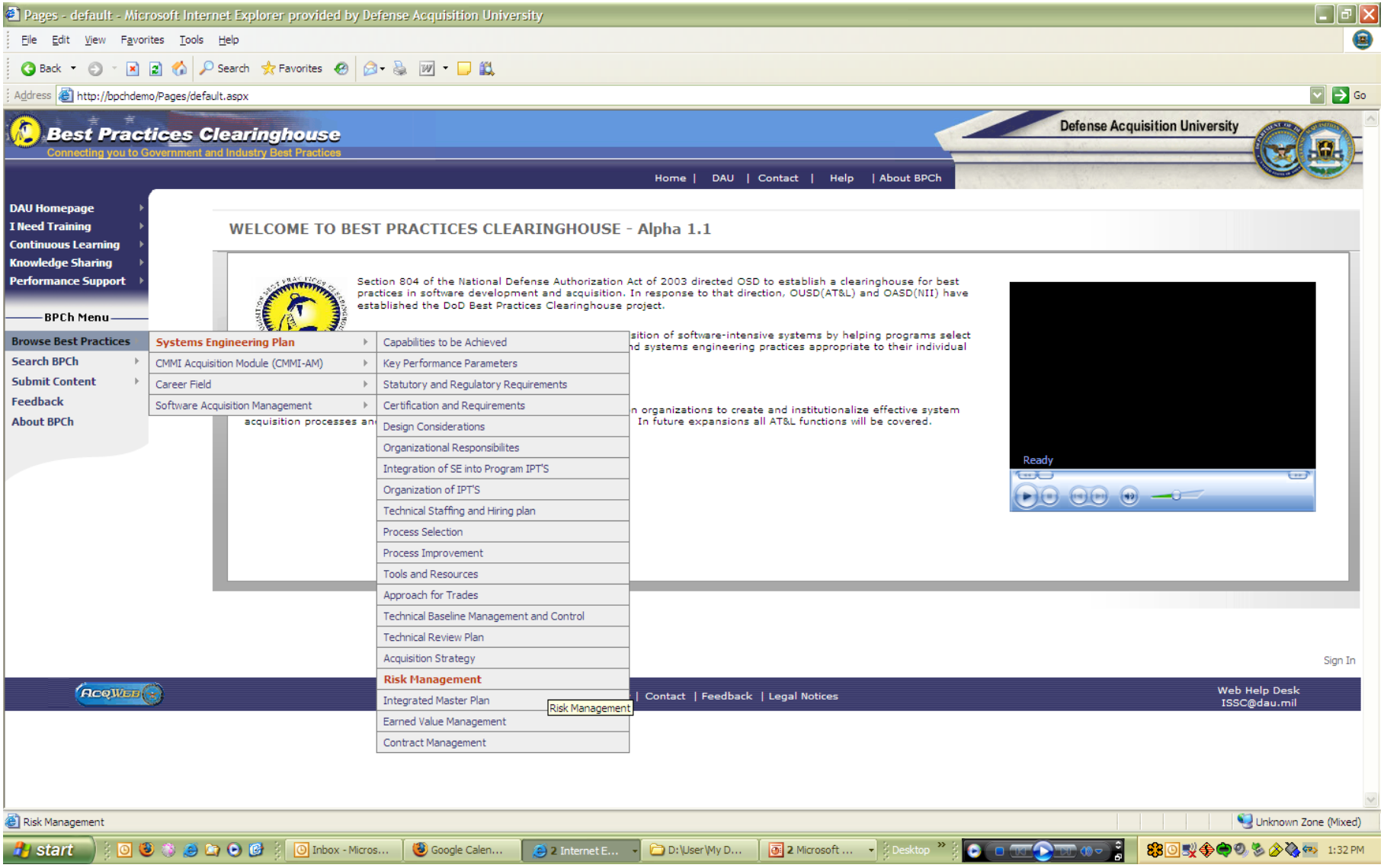

Browsing BPCh by "Perspective"

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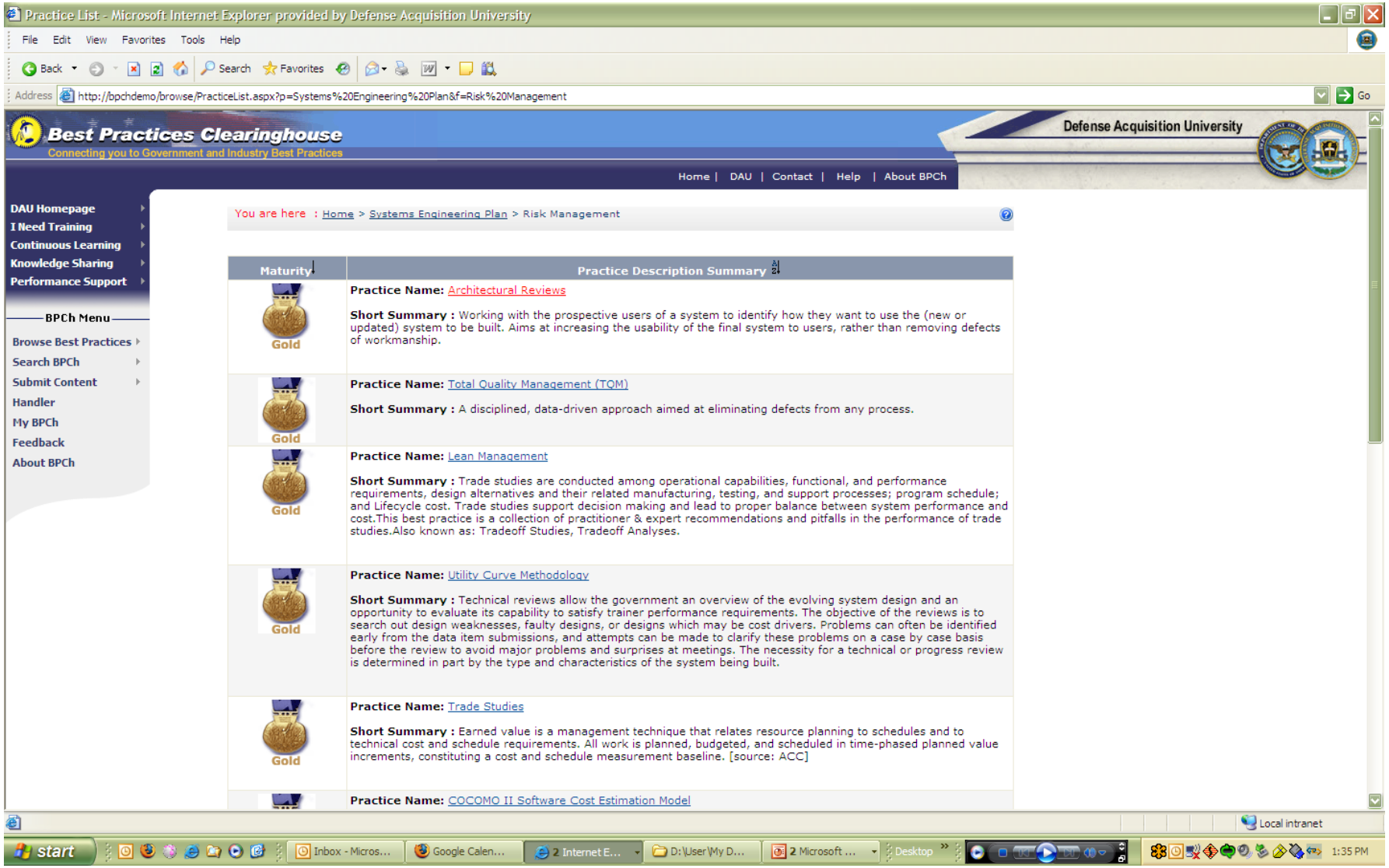
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You are here : Home > Systems Engineering Plan > Risk Management
Maturity
Practice Description Summary
Gold
Practice Name: Architectural Reviews
Short Summary : Working with the prospective users of a system to identify how they want to use the (new or updated) system to be built. Aims at increasing the usability of the final system to users, rather than removing defects of workmanship.
Gold
Practice Name: Total Quality Management (TQM)
Short Summary : A disciplined, data-driven approach aimed at eliminating defects from any process.
Gold
Practice Name: Lean Management
Short Summary : Trade studies are conducted among operational capabilities, functional, and performance requirements, design alternatives and their related manufacturing, testing, and support processes; program schedule; and Lifecycle cost. Trade studies support decision making and lead to proper balance between system performance and cost.This best practice is a collection of practitioner & expert recommendations and pitfalls in the performance of trade studies.Also known as: Tradeoff Studies, Tradeoff Analyses.
Gold
Practice Name: Utility Curve Methodology
Short Summary : Technical reviews allow the government an overview of the evolving system design and an opportunity to evaluate its capability to satisfy trainer performance requirements. The objective of the reviews is to search out design weaknesses, faulty designs, or designs which may be cost drivers. Problems can often be identified early from the data item submissions, and attempts can be made to clarify these problems on a case by case basis before the review to avoid major problems and surprises at meetings. The necessity for a technical or progress review is determined in part by the type and characteristics of the system being built.
Gold
Practice Name: Trade Studies
Short Summary : Earned value is a management technique that relates resource planning to schedules and to technical cost and schedule requirements. All work is planned, budgeted, and scheduled in time-phased planned value increments, constituting a cost and schedule measurement baseline. [source: ACC]
Practice Name: COCOMO II Software Cost Estimation Model
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Additional User Perspectives

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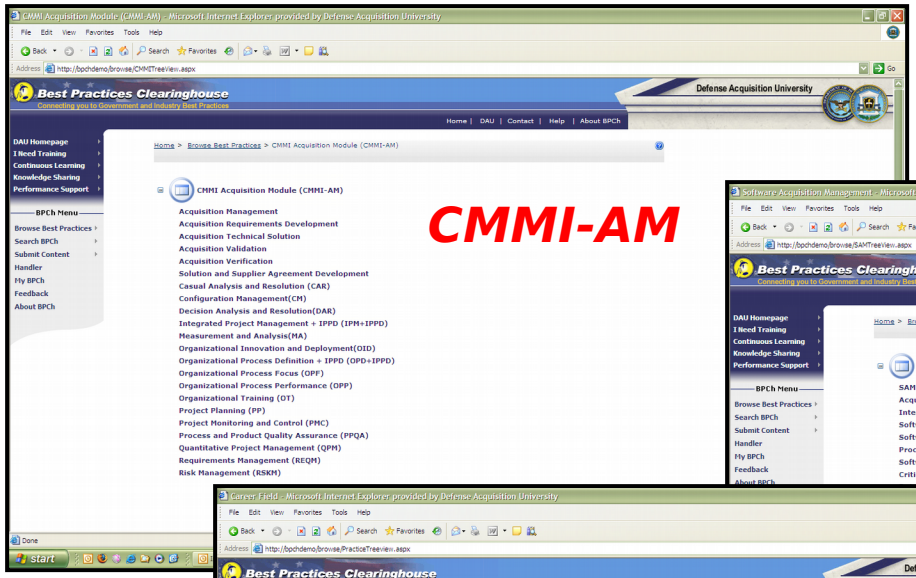

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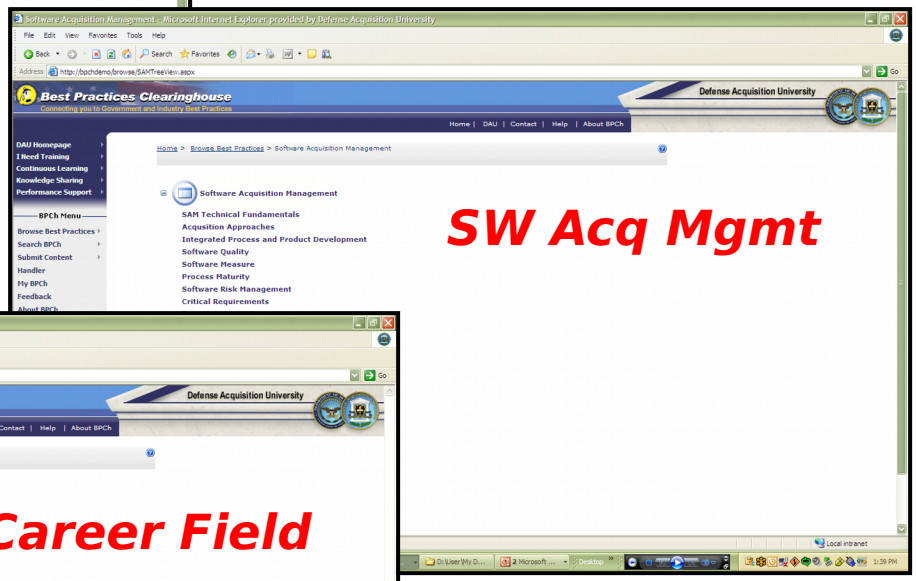
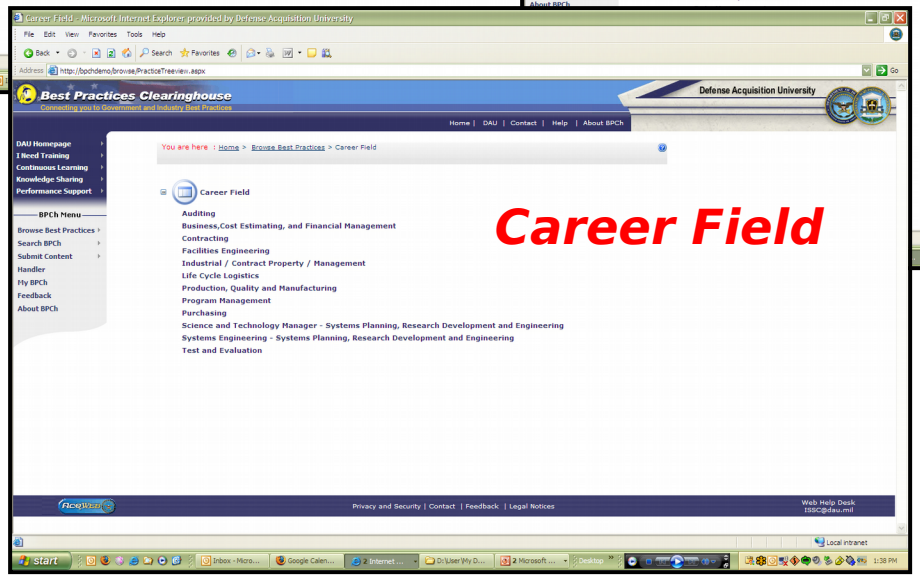


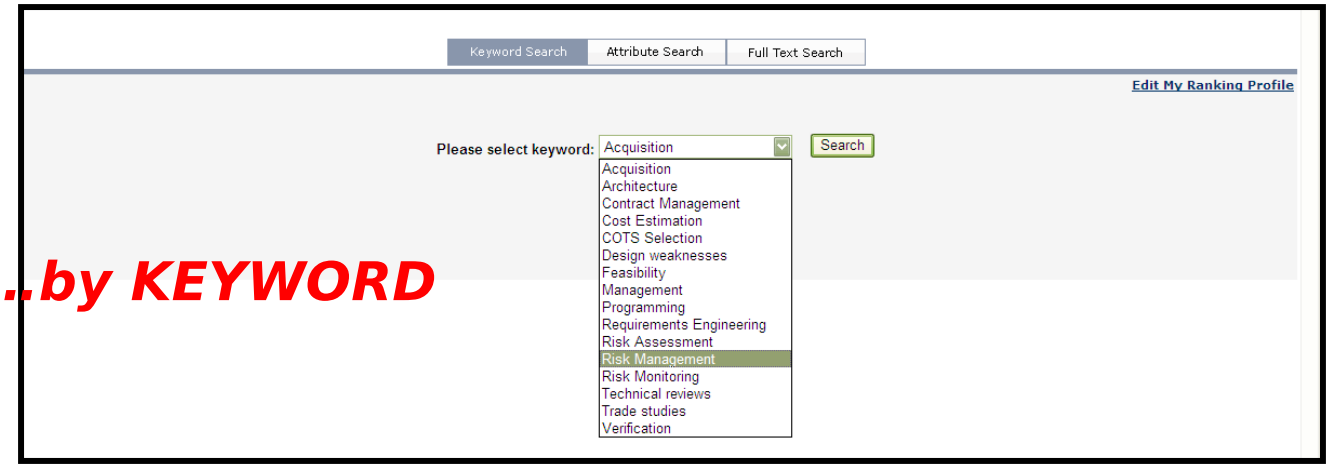
SW Acq Mgmt



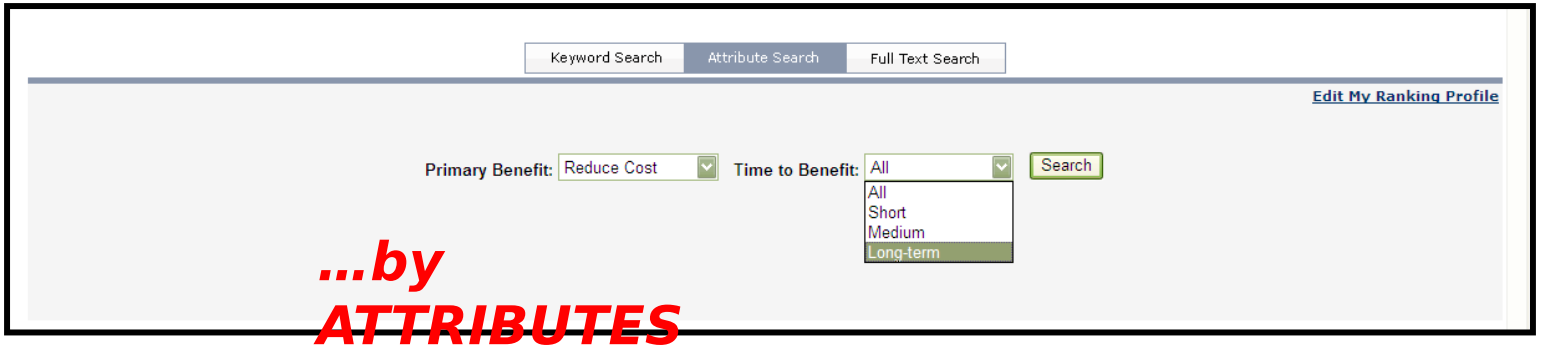
Career Field

…with MORE user perspectives coming in FY08

Searching BPCh…



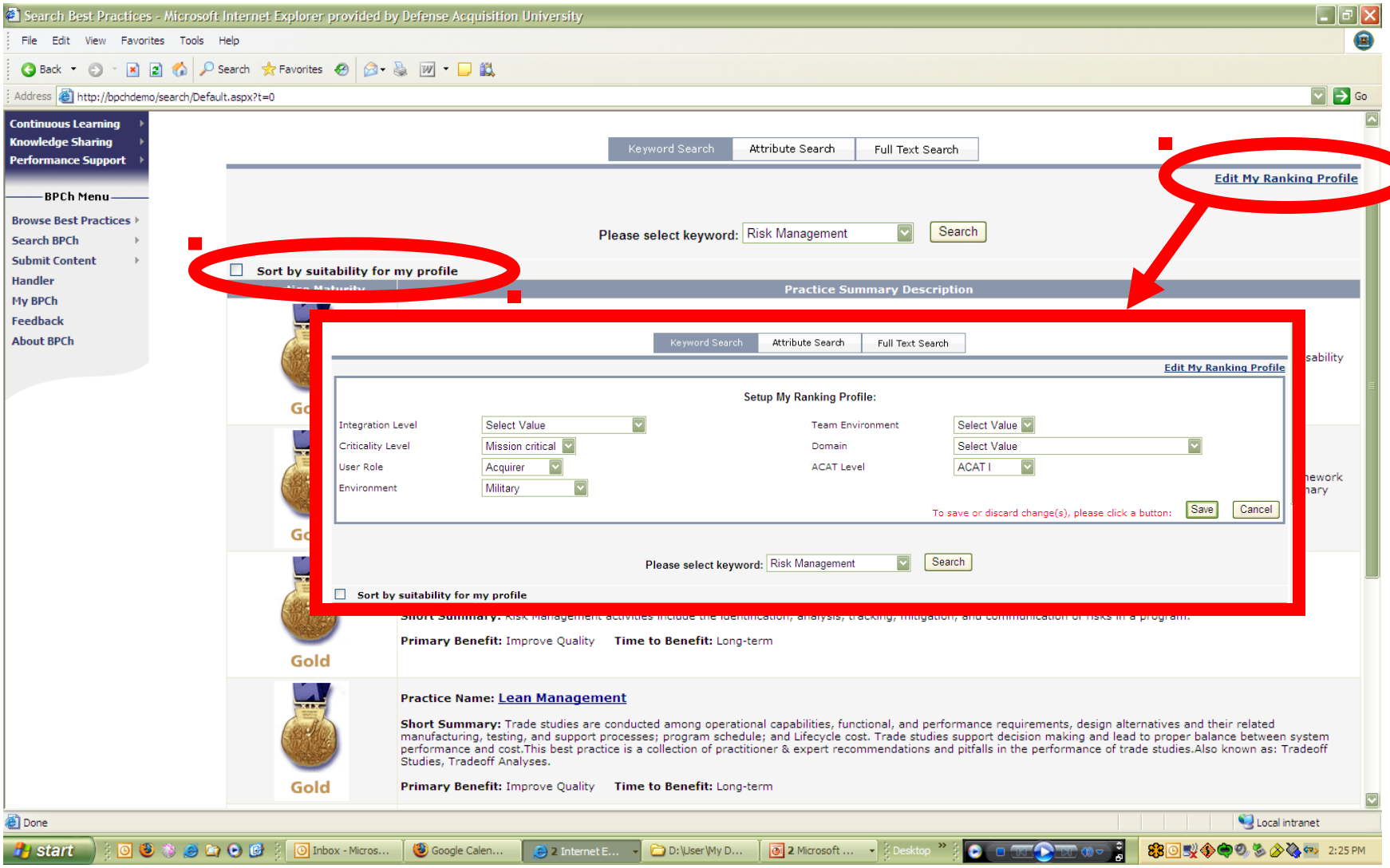
…by KEYWORD



…by ATTRIBUTES

…as well as FREE TEXT search

Ranking BPCh Search Results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Keyword Search
Attribute Search
Full Text Search
Edit My Ranking Profile
Please select keyword: Risk Management
Search
Sort by suitability for my profile
Practice Summary Description
Setup My Ranking Profile:
Integration Level
Select Value
Team Environment
Select Value
Criticality Level
Mission critical
Domain
Select Value
User Role
Acquirer
ACAT Level
ACAT I
Environment
Military
To save or discard change(s), please click a button:
Save
Cancel
Gold
Primary Benefit: Improve Quality
Time to Benefit: Long-term
Practice Name: Lean Management
Short Summary: Trade studies are conducted among operational capabilities, functional, and performance requirements, design alternatives and their related manufacturing, testing, and support processes; program schedule; and Lifecycle cost. Trade studies support decision making and lead to proper balance between system performance and cost.This best practice is a collection of practitioner & expert recommendations and pitfalls in the performance of trade studies.Also known as: Tradeoff Studies, Tradeoff Analyses.
Primary Benefit: Improve Quality
Time to Benefit: Long-term

Ranking BPCh Search Results

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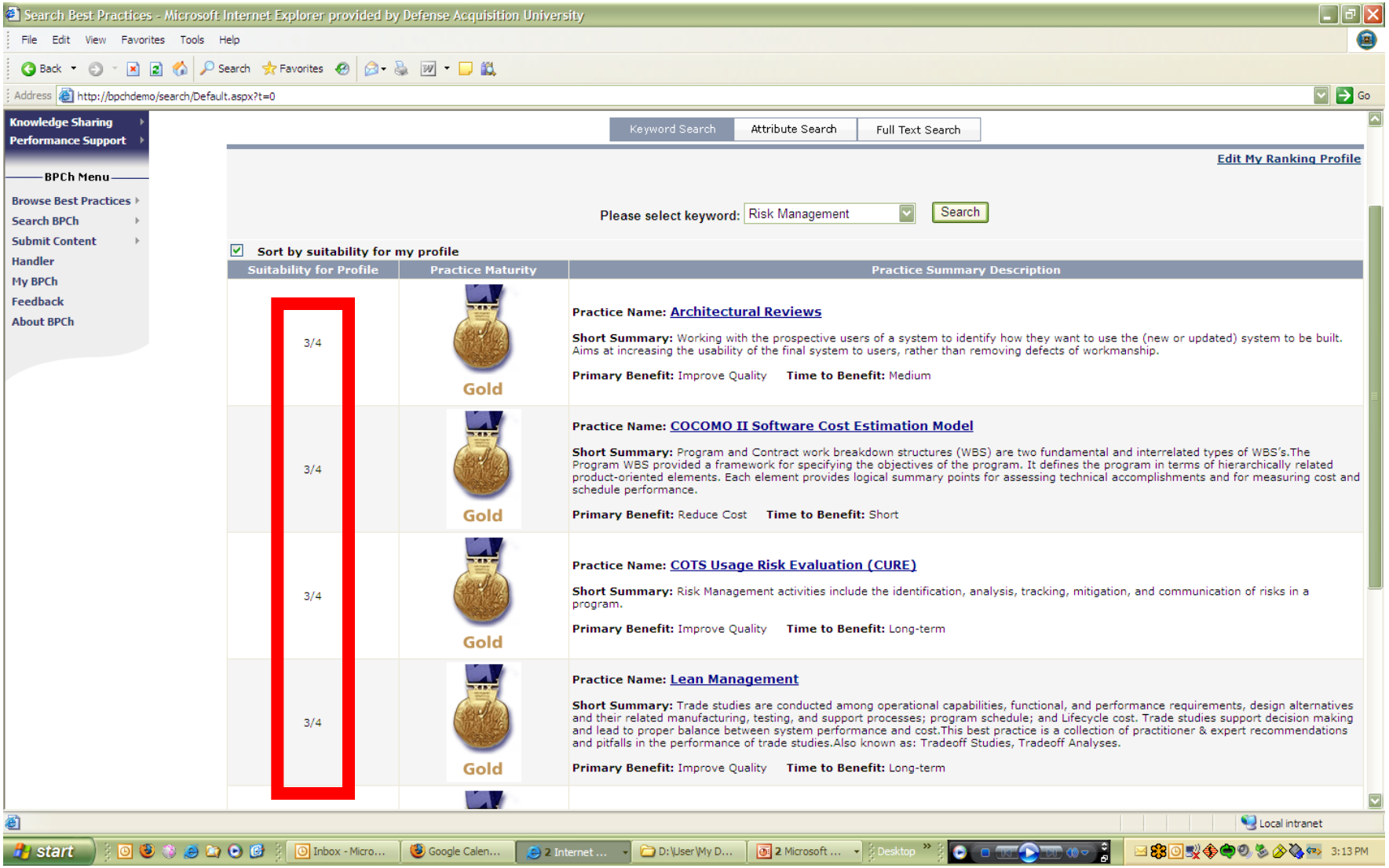
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Keyword Search
Attribute Search
Full Text Search
Edit My Ranking Profile
Please select keyword: Risk Management
Search
Sort by suitability for my profile
Suitability for Profile
Practice Maturity
Practice Summary Description
3/4
Gold
Practice Name: Architectural Reviews
Short Summary: Working with the prospective users of a system to identify how they want to use the (new or updated) system to be built. Aims at increasing the usability of the final system to users, rather than removing defects of workmanship.
Primary Benefit: Improve Quality Time to Benefit: Medium
3/4
Gold
Practice Name: COCOMO II Software Cost Estimation Model
Short Summary: Program and Contract work breakdown structures (WBS) are two fundamental and interrelated types of WBS's.The Program WBS provided a framework for specifying the objectives of the program. It defines the program in terms of hierarchically related product-oriented elements. Each element provides logical summary points for assessing technical accomplishments and for measuring cost and schedule performance.
Primary Benefit: Reduce Cost Time to Benefit: Short
3/4
Gold
Practice Name: COTS Usage Risk Evaluation (CURE)
Short Summary: Risk Management activities include the identification, analysis, tracking, mitigation, and communication of risks in a program.
Primary Benefit: Improve Quality Time to Benefit: Long-term
3/4
Gold
Practice Name: Lean Management
Short Summary: Trade studies are conducted among operational capabilities, functional, and performance requirements, design alternatives and their related manufacturing, testing, and support processes; program schedule; and Lifecycle cost. Trade studies support decision making and lead to proper balance between system performance and cost.This best practice is a collection of practitioner & expert recommendations and pitfalls in the performance of trade studies.Also known as: Tradeoff Studies, Tradeoff Analyses.
Primary Benefit: Improve Quality Time to Benefit: Long-term
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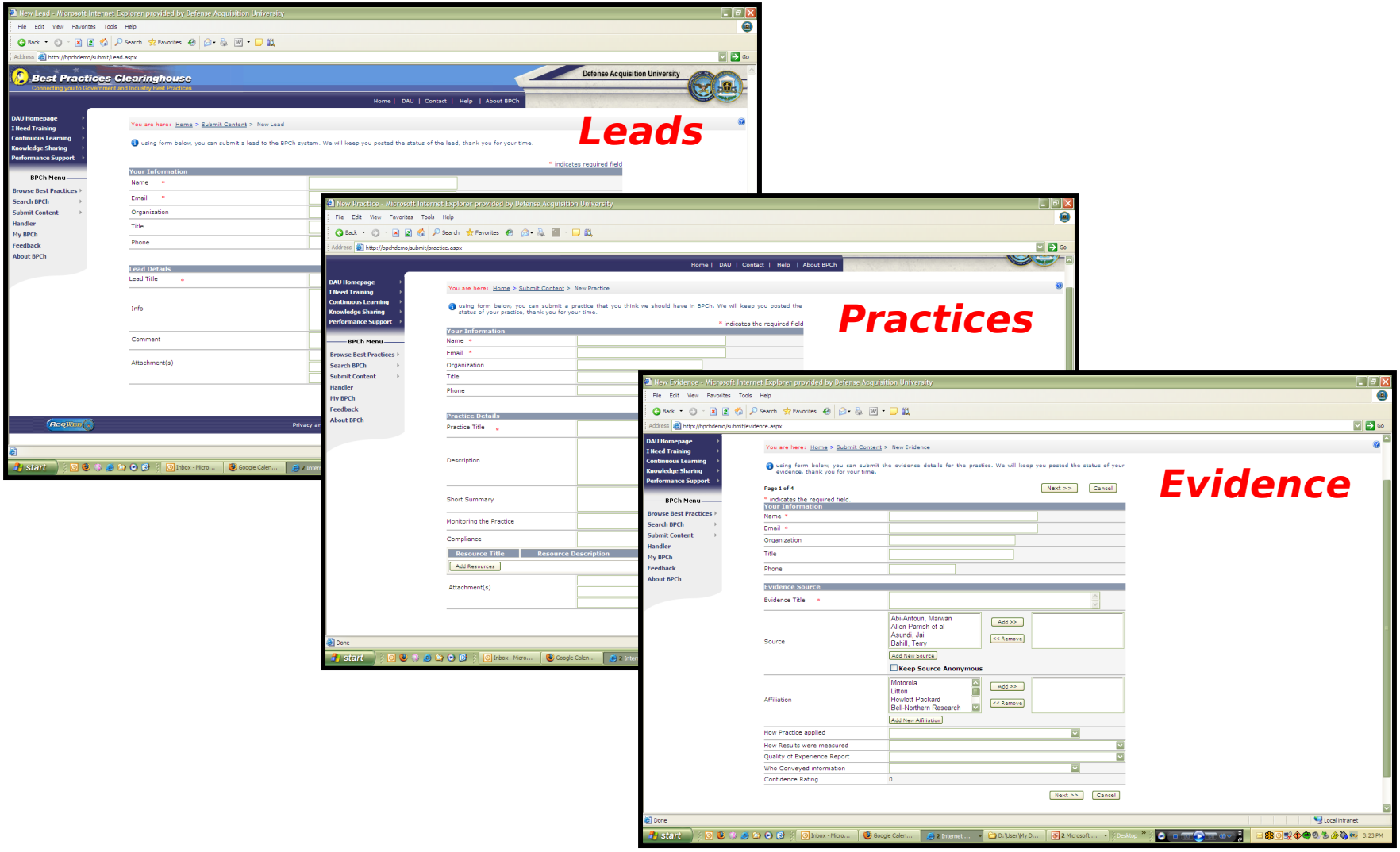
Submitting BPCh Content



See The Real Thing…

- Stop by DAU Knowledge Sharing display in the PEO/SYSCOM booth area TODAY for a live demo of BPCh Alpha v1.1
- Submit best practices, evidence, war stories and leads to bpch@dau.mil
- Contact Mike Lambert, BPCh project manager, for more information:
  - michael.lambert@dau.mil
  - (703) 805-4555